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CONTRACTING ORGANIZATION: Walter Reed Army Institute of Research  
Washington, DC 20308-5100

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PI - Signature

Date

**1998 GORDON RESEARCH CONFERENCE  
on MALARIA  
FINAL PROGRESS REPORT**

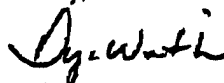
**ARMY MEDICAL RESEARCH & DEVELOP COMMAND  
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The Gordon Research Conference (GRC) on MALARIA was held at SOMERVILLE from 7/26/98 thru 7/31/98. The Conference was well-attended with 103 participants (attendees list attached). The attendees represented the spectrum of endeavor in this field coming from academia, industry, and government laboratories, both U.S. and foreign scientists, senior researchers, young investigators, and students.

In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field. There was a conscious effort to stimulate lively discussion about the key issues in the field today. Time for formal presentations was limited in the interest of group discussions. In order that more scientists could communicate their most recent results, poster presentation time was scheduled. Attached is a copy of the formal schedule and speaker program and the poster program. In addition to these formal interactions, "free time" was scheduled to allow informal discussions. Such discussions are fostering new collaborations and joint efforts in the field.

I want to personally thank you for your support of this Conference. As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings. If you wish any further details, please feel free to contact me. Thank you.

Sincerely,



revised 9/98 (RSL)

# ***Malaria***

Somerville College, Oxford  
 July 26-31, 1998

## **Sunday Evening:**

(5:30 pm - 7:00 pm) Dinner

7:00 pm - 9:00 pm Introductions

**Malaria in Africa: Epidemiology and Case Management**  
 Dr. Ogobara Doumbo, University of Mali

**Immunology: Where are our gaps in knowledge**  
 Dr. Odile Puijalon, Institut Pasteur

**Drugs and drug resistance**  
 Dr. Ayo Oduola, University of Ibadan

9:00 pm - 10:30 pm Reception

## **Monday Morning:**

(8:00 am - 9:00 am) Breakfast

9:00 am - 12:30 pm **Pathogenesis: Why children die**  
 Dr. Richard Carr and Dr. Dominic Kwiatkowski, John Radcliffe Hospital

**Bednets: Are we saving lives**  
 Dr. Christian Lengeler, Swiss Tropical Institute

**Epidemiology and Population Biology**  
 Dr. Karen Day, University of Oxford

**New Drug Development: Drug Targets**  
 Dr. Yongyuth Yuthavong, National Science and Technology Development Agency

## **Monday Afternoon:**

(12:30 pm - 1:30 pm) Lunch

1:30 pm - 4:00 pm Free Time

4:00 pm - 5:30 pm **Poster Session (with refreshments)**  
 (Immunology and vaccines, epidemiology and bednets)

## **Monday Evening:**

(5:30 pm - 7:00 pm) Dinner

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03/03/99

pm)

## Working Groups

7:00 pm. - 9:30 pm

- Immunology and Vaccines: Dr. Rose Leke, University of Yaounde
- Biochemistry and Genetics: Dr. Yongyuth Yuthavong
- Drugs and Drug Resistance: Dr. Ayo Oduola
- Pathogenesis and Case Management- Dr. Brian Greenwood, London School of Hygiene and Tropical Medicine
- Vector Biology: Dr. Richard Hawley, CDC and Dr. Tony James, University of California
- Bednets: Dr. Jacqueline Cattani, University of South Florida and Dr. Ogobara Doumbo
- Epidemiology: Dr. Karen Day

9:30 pm - 12:00 pm Informal discussion /Cash Bar

Tuesday Morning:

(8:00 am - 9:00

Breakfast

am)

9:00 am -12:30 pm Immunology and Vaccines:

## Immunology and Human Immune Response:

- Dr. Eleanor Riley, University of Edinburgh
- Dr. Peter Perlman, Stockholm University
- Dr. Rose Leke

## Ongoing Human Vaccine Trials

- Dr. Elizabeth Nardin, NYU School of Medicine
- Dr. Ruobing Wang, Naval Medical Research Institute
- Dr. Margaret Pinder, Medical Research Council

Tuesday Afternoon:

(12:30 pm - 1:30

Lunch

pm)

2:00 pm - 4:00 pm

Free Time

4:00 pm - 5:30 pm

Poster Session II (with refreshments)  
(Drugs and Drug Resistance, Vector Biology)

Tuesday Evening:

(5:30 pm - 7:00

Dinner

pm)

7:00 pm - 8:30 pm

Vector Biology: Current status and gaps in our knowledge  
Vector Biology: Will designer mosquitoes work  
Dr. Tony James

8:15 pm - 9:15 pm

Cytoadherence

- Dr. Chris Newbold, University of Oxford
- Dr. Ross Coppel, Monash University

9:15 pm - 10:30 pm Working Groups continued

10:30 pm - 12:00 Informal discussion /Cash Bar  
pm

Wednesday Morning:

(8:00 am - 9:00 Breakfast  
am)

9:00 am - 10:15 The Malaria Genome  
am

- Overview: Dr. Chris Newbold
- Chromosome 2: Dr. Malcolm Gardner, Institute of Genomic Research

10:30 am -12:30 Working Groups continued  
pm

Wednesday Afternoon:

(12:30 pm - 1:30 Lunch  
pm)

2:00 pm - 4:00 pm Free Time

3:00 pm - 4:30 pm Opportunities for funding  
Dr. Michael Gottlieb  
Dr. Fabio Zicker  
Dr. Catherine Davies  
Dr. Dennis Kyle

4:00 - 5:30 pm Poster Session III (with refreshments)  
(Pathogenesis and Case Management, Biochemistry and Genetics)

Wednesday Evening:

(5:30 pm - 7:00 Dinner  
pm)

7:00 pm - 8:15 pm Molecular Markers of Drug Resistance  
Dr. Chris Plowe, University of Maryland

New approaches to Drug Development  
Dr. Dennis Kyle, Walter Reed Army Institute of Research

8:30 pm - 10:00 pm Summary of Working Group Discussions (30 minutes each)

Immunology and Vaccines - Dr. Rose Leke  
Vector Biology - Dr. Richard Hawley  
Epidemiology - Dr. Karen Day

10:00 pm - 12:00 Informal discussion /Cash Bar  
pm

Thursday Morning:

(8:00 am - 9:00 Breakfast  
am)

9:00 am - 12:15 pm Summary of Working Group Discussions (30 minutes each)

Pathogenesis and Case Management - Dr. Brian Greenwood  
Bednets - Dr. Ogobara Dounbo

Drugs and Drug Resistance - Dr. Ayo Odoula.  
Biochemistry and Genetics - Dr. Yongyuth Yuthavong

General Discussion - Dr. Odile Pujalon

Thursday Afternoon:

(12:30 pm - 1:30 pm) Lunch

2:00 - 4:00 pm Free Time for Discussion

4:00 - 6:00 pm Opportunities and Challenges in Malaria Research

- Dr. Ogobara Doumbo
- Dr. Ruth Nussenzweig, New York University Medical Center
- Dr. Ayo Odoula
- Dr. Louis Miller, NIH
- Dr. Yongyuth Yuthavong

Thursday Evening:

7:30 pm Dinner

9:00 pm - 12:00 pm Informal discussion /Cash Bar

Friday Morning:

(8:00 am - 9:00 am) Breakfast and departure



## 1998 Registration List: MALARIA

This was the final registration list for the 1998 Conference on  
**MALARIA.**

NAME	ORGANIZATION	PARTICIPATION	STATUS
Last Updated 17-OCT-98			
EDITH AJAYIBORA	UNIVERSITY OF IRADAN, NIGERIA	POSTER	Registered
JOHN W BARNWELL	NEW YORK UNIVERSITY SCHOOL OF MEDIC	DISC LDR	Registered
HANS-PETER BECK	SWISS TROPICAL INSTITUTE	POSTER	Registered
CAROL L BERKOWER	HOWARD HUGHES MEDICAL INSTITUTE	ATTENDEE	Registered
JEAN BICKEL	ORGANISATION DE LA COORDIN. DE LUTT	ATTENDEE	Registered
ANDRUS BJORKMAN	KAROLINSKA INSTITUTE	ATTENDEE	Registered
SCOTT BOULE	UNIVERSITY OF WYOMING	ATTENDEE	Registered
KALIFA BOJANG	MEDICAL RESEARCH COUNCIL LABORATORI	POSTER	Registered
RICHARD CARR	UMDS, ST. THOMAS'S HOSPITAL	ATTENDEE	Registered
JACQUELINE CATTANI		ATTENDEE	Registered
SANSANEE C CHAIYARONJ	MAHIDOL UNIVERSITY	POSTER	Registered
LI-HOW CHEN	GENZYME TRANSGENICS CORP	SPEAKER	Registered
ROSS L COPPEL	MONASH UNIVERSITY	ATTENDEE	Registered
PATRICK H CORRAN	NIDDC	POSTER	Registered
SHIRICK O COULTRALY	O.C.C.C.G.E./CENTRE MURAZ	ATTENDEE	Registered
C F CURTIS	LONDON SCHOOL OF HYGIENE & TROPICAL	POSTER	Registered
KAREN P DAY	UNIVERSITY OF OXFORD	ATTENDEE	Registered
ALIOUNE DIEVE	INSTITUT PASTEUR	ATTENDEE	Registered
DENISE L DOOLAN	QUEENSLAND INST. OF MEDICAL RESEARC	ATTENDEE	Registered
OGONARA DOUMBO	DEPT. D'EPIDEMIOLOGIE DE AFFECTIONS	SPEAKER	Registered
BEN M DURN	UNIVERSITY OF FLORIDA COLLEGE OF ME	ATTENDEE	Registered
ISRAHIM M ELHASSAN	UNIVERSITY OF KHARTOUM	SPEAKER	Registered
C O FAJADE	COLLEGE OF MEDICINE IBADAN	ATTENDEE	Registered
ALLAN FLETCHER	CERERRUS LTD.	ATTENDEE	Registered
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MALCOLM J GARDNER	THE INSTITUTE FOR GENOMIC RESEARCH	SPEAKER	Registered
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ANDREW K GITHUKO	KENYA MEDICAL RESEARCH INSTITUTE	POSTER	Registered
MICHAEL GOTTLIEB	NIAID, NATIONAL INSTITUTES OF HEALT	ATTENDEE	Registered
BRIAN GREENWOOD	LONDON SCHOOL OF HYGIENE & TROPICAL	DISC LDR	Registered
WILLIAM A HAWLEY	CDC-KEMILI, KENYA	POSTER	Registered
ADRIAN V HILL	UNIVERSITY OF OXFORD	ATTENDEE	Registered
ROBERT L HUNTER	UNIVERSITY OF TEXAS - HOUSTON	POSTER	Registered
FYAZ M ISMAIL	UNIVERSITY OF HERTFORDSHIRE	ATTENDEE	Registered
RONAN JAMBOU	LABORATOIRE DU PALUDISME	POSTER	Registered
SUMALEE KAMCHONWONGPAISANNATI	SCIENCE & TECH DEVELOPMENT AGEN	AGEPOSTER	Registered
NADIRA KARUNAWERRA	UNIVERSITY OF COLOMBO	SPEAKER	Registered
CERRY F KYLLEN	TUTANE UNIVERSITY MEDICAL CENTRE	POSTER	Registered
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KIYOSHI KITA	THE UNIVERSITY OF TOKYO	POSTER	Registered
ANDREW Y KITUA	NATIONAL INSTITUTE FOR MEDICAL RESE	POSTER	Registered
PETER G KREMSNER	UNIVERSITÄT TUEBINGEN	ATTENDEE	Registered
DOMINIC KWIATKOWSKI	JOHN RADCLIFFE HOSPITAL	ATTENDEE	Registered
DERNIS W KYLE	WALTER REED ARMY INST. OF RESEARCH	SPEAKER	Registered
JOHN TAN	UNIVERSITY OF ARIZONA	MONITOR	Registered
ROSE LEKE	UNIVERSITY OF YAOUNDE I	SPEAKER	Registered
MARTHA MOSHI M LEMMOE	NATIONAL INSTITUTE FOR MEDICAL RESEA	ATTENDEE	Registered
CHRISTIAN LENGELER	SWISS TROPICAL INSTITUTE	POSTER	Registered
ALEJANDRO J LOPEZ	UNIVERSITE DE LAUSANNE	POSTER	Registered
CHRISTOPH LOUIS	IMBB - FORTH	ATTENDEE	Registered
GORDON LOWE	OXFORD UNIVERSITY	POSTER	Registered

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IAN G MACKENDIE	BIOMOLECULAR RESEARCH INSTITUTE	ATTENDEE	Registered
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CHARLES M MBOGO	KENYA MEDICAL RESEARCH INSTITUTE	POSTER	Registered
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SUNGANO MHARAKURWA	BLAIR RESEARCH LABORATORY	POSTER	Registered
LOUIS H MILLER	IPD, NIAID, NIH	ATTENDEE	Registered
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JOHN MUDUGU VUTULE	KENYA MEDICAL RESEARCH INSTITUTE	POSTER	Registered
MAOWIA M MUKHTAR	INSTITUTE OF ENDEMIC DISEASES	ATTENDEE	Registered
T K MUTAUNGWA	NATIONAL INSTITUTE FOR MEDICAL RESE	SPEAKER	Registered
HALIMA A MWENESI	TDR/LIRC INSECTICIDE-TREATED NETTIN	ATTENDEE	Registered
ELIZABETH H NARDIN	NYU SCHOOL OF MEDICINE	POSTER	Registered
C NEWBOLD	UNIVERSITY OF OXFORD	ATTENDEE	Registered
RUTH S NUSSENZWEIG	NYU SCHOOL OF MEDICINE	ATTENDEE	Registered
VICTOR NUSSENZWEIG	NEW YORK UNIVERSITY MEDICAL CENTER	ATTENDEE	Registered
AYO ODUOLA	COLLEGE OF MEDICINE IBADAN	SPEAKER	Registered
O.A.T. OCHUNDAMUNGI	COLLEGE OF MEDICINE IBADAN	ATTENDEE	Registered
VIRGO L OGIARO	TDR/WHO	POSTER	Registered
OLF-MOIYUGI ONESMO	INST. OF MOLECULAR & CELL BIOLOGY (	SPEAKER	Registered
CAROLINE OTTIORO	CDC-KUMRI	POSTER	Registered
SUREITA A PEEL	WALTER REED ARMY INSTITUTE RESEARCH	POSTER	Registered
PETER H PRILLMANN	STOCKHOLM UNIVERSITY	ATTENDEE	Registered
DAPHNE Q PHAM	UNIVERSITY OF ARIZONA	ATTENDEE	Registered
MARGARET PINDER	MRC LABORATORIES, FAJARA	POSTER	Registered
CHRISTOPHER V FLOWE	UNIVERSITY OF MARYLAND	SPEAKER	Registered
ZULFIQARALI O PREMJI	MUMBLI UNIV. COLLEGE OF HEALTH SC	ATTENDEE	Registered
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ORLA M SMITH	NATURE MEDICINE	POSTER	Registered
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AKIN SOWUNMI	FDA/CBER	SPEAKER	Registered
CHIANG SYIN	UNIVERSITY OF LEEDE	ATTENDEE	Registered
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HENRI H VIAL	UNIVERSITY OF OXFORD	SPEAKER	Registered
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